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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,884	05/11/2006	Carl Jorgen Rummelhoff	3657-1036	5036
466	7590	12/24/2009	EXAMINER	
YOUNG & THOMPSON			PETTITT, JOHN F	
209 Madison Street				
Suite 500			ART UNIT	PAPER NUMBER
Alexandria, VA 22314			3744	
			NOTIFICATION DATE	DELIVERY MODE
			12/24/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DocketingDept@young-thompson.com

Office Action Summary	Application No.	Applicant(s)
	10/578,884	RUMMELHOFF, CARL JORGEN
	Examiner	Art Unit
	John F. Pettitt	3744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 19 August 2009.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-13 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) _____ is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) 1-13 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____ .	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-6, drawn to a method of compressing and cooling natural gas wherein a vapor natural gas from a tank is compressed and condensed to form a condensed natural gas; returning a portion of the condensed natural gas to the tank; the condensed natural gas heat exchanging indirectly with the vapor natural gas and fully evaporating; and mixing the fully evaporated natural gas and the vapor natural gas.

Group II, claim(s) 7-13, drawn to an apparatus having a tank of natural gas, wherein a vapor from the tank is fed to a feed line of a compressor and from the compressor to a heat exchanger to form a condensed natural gas; wherein the condensed natural gas is returned to the tank via a return line; a cooler in a combined mist separator and heat exchanger having a wall to separate and transfer heat between the vapor from said condensed natural gas; first and second conduits connected via the cooler; wherein the first conduit fluidly connects the return line and the combined mist separator and heat exchanger and the second conduit fluidly connects the combined mist separator and heat exchanger to the boil-off gas feed line.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Irie teaches what is common between them, that is, Irie et al. (US 2004/0068993) teaches a method for controlling temperature in a boil-off gas in a liquefaction plant prior to compression, wherein boil-off gas (through 8 toward 1) originating from an LNG storage tank (1) is compressed (via 3, 4) and at least partially condensed (via 5) into a condensed boil-off

gas (exiting 5), and wherein a portion (through 10) of said condensed boil-off gas (exiting 5) is returned to the storage tank (1), said method comprising: heat exchanging the boil-off gas (from 1) with a condensed liquefied gas (LNG) (some of liquid from 5) through a wall (pipe with 14) separating said boil-off gas from said condensed liquefied gas (LNG) (indirect heat exchange), the boil-off gas temperature being lowered (inherent) and said condensed liquefied gas LNG (some from 5) being fully evaporated as a fully evaporated LNG (inherent to said part); and controllably mixing said fully evaporated LNG (part from 5) with said boil-off gas (from 1).

Therefore, it is shown that the common technical features are not special technical features and the inventions lack unity a posteriori.

If the applicant elects group I or II, the applicant is further required to elect one of the claimed species of the claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species A - Figure 2

Species B - Figure 4

Species C - Figure 5

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims

subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner:

Claims 2, 8 - Species A
Claims 3, 9 - Species B
Claims 4, 10 - Species C

The following claim(s) are generic: 1, 5-7, and 11-13.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features as shown by Irie above.

A telephone call was made to Jeremy Merenese on December 14, 2009 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John F. Pettitt whose telephone number is 571-272-0771. The examiner can normally be reached on M-F 8a-4p. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler or Frantz Jules can be reached on 571-272-4834 or 571-272-6681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John F Pettitt /
Examiner, Art Unit 3744
JFP III
December 15, 2009

/Cheryl J. Tyler/
Supervisory Patent Examiner, Art
Unit 3744